

Mirinda Whitaker

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Education

PhD, Cognition & Neural Science (in progress)

University of Utah

Salt Lake City, UT, USA
excepted 2024

- Emphasis in Quantitative Psychology
- Advisors: Dr. Jeanine Stefanucci, Dr. Sarah Creem-Regehr, & Dr. Pascal Deboeck

MS, Cognition & Neural Science

University of Utah

Salt Lake City, UT, USA
March 2022

- Thesis: Space and time symmetrically influence one another and are not impacted by fibromyalgia pain

BS, Psychology/ BS, Writing & Rhetoric Studies

University of Utah

Salt Lake City, UT, USA
May 2019

- *summa cum laude*

Professional Experience

UNIVERSITY OF UTAH

- 2021-present **Graduate Research Assistant**, Intraindividual Modeling Lab
- 2019-present **Graduate Research Assistant**, Visual Perception & Spatial Cognition Lab
- Fall 2021 **Statistical Consultant**, Visual Perception & Spatial Cognition Lab/ Applied Visual Attention Lab
- 2019-2020 **Graduate Health Sciences Writing Fellow**, University Writing Center
- 2018-2020 **Research Writing Liaison**, University Writing Center/Office of Undergraduate Research
- 2017-2019 **Writing Tutor**, University Writing Center
- 2017-2019 **Undergraduate Research Assistant**, Visual Perception & Spatial Cognition Lab

Publications

* denotes undergraduate student author

JOURNAL ARTICLES & BOOK CHAPTERS

Whitaker, M. M., *Hansen, R., Creem-Regehr S. H., & Stefanucci, J. K. (in principal acceptance, 2021). The relationship between space and time perception: a registered replication of Casasanto and Boroditsky (2008). *Attention, Perception, & Psychophysics*.

Stefanucci, J. K., Saxon, M., & **Whitaker, M. M.** (2021). Embodied perception and Action in Real and Virtual Environments. In: Robinson M.D., Thomas L.E. (eds) *Handbook of Embodied Psychology: Thinking, Feeling, and Acting* (pp. 311-336). Springer, Cham.

Whitaker, M. M., Pointon, G. D., Tarampi, M. R., & Rand, K. M. (2020). Expertise effects on the perceptual and cognitive tasks of indoor rock climbing. *Memory & Cognition*, 1-17.

UNDER REVIEW

Gill, D. M., **Whitaker, M. M.**, Olpin, Z., Stefanucci, J. K. (under review) The perceived duration of vast spaces is mediated by awe. *Attention, Perception, & Psychophysics*.

IN PREPARATION

Whitaker, M. M., Okifuji A. O., Creem-Regehr S. H., & Stefanucci, J. K. (in prep). Space and time symmetrically influence one another and are not impacted by Fibromyalgia pain *Target journal: Cognition*.

Whitaker, M. M., & Okifuji A. O. (in prep). Increased pain variability in chronic pain patients: A role for pain catastrophizing. *Target journal: The Journal of Pain*.

Awards, Fellowships, & Grants

EXTRAMURAL

- 2021 **Graduate Research Fellowship: Honorable Mention**, National Science Foundation
- 2020 **Travel Award**, International Association for the Study of Pain \$ 1,200

INTRAMURAL: UNIVERSITY OF UTAH

- 2021 **Clayton Excellence in Graduate Research Award**, Department of Psychology \$ 1000
Klekas Outstanding Service Award: Runner-up, Department of Psychology \$ 100
Online Research Small Grant, Department of Psychology \$ 250
Excellence in Research Commendation, Department of Psychology
Excellence in Teaching Commendation, Department of Psychology
- 2019 **Pilot Research Small Grant**, Department of Psychology \$ 300
- 2018 **Travel Award**, Associated Students of the University of Utah \$ 600
Hagander Book Award, College of Humanities \$ 500
- 2017-2018 **Undergraduate Research Opportunities Grant**, Office of Undergraduate Research \$ 3200

Presentations

* mentored undergraduate, + presenting author

TALKS

- +**Whitaker, M.**, Okifuji, A., Creem-Regehr S., & Stefanucci, J. (April, 2022). *Increased pain variability in chronic pain patients: a role for pain catastrophizing*. Flash Talk to be presented at the 2022 annual meeting of the Society for Affective Science
- +**Whitaker, M.** (2018, March). *Desirable difficulties in the writing center*. Paper presented at The Rocky Mountain Writing Center Conference, Salt Lake City, UT.

POSTERS

- +**Whitaker M.**, Okifuji, A., Creem-Regehr S., & Stefanucci, J. (May, 2022). *The impact of fibromyalgia on space and time perception*. Poster to be presented at the 2022 annual meeting of the Vision Sciences Society.
- +Konold, C., Geuss, M., Butner, J., **Whitaker, M.**, Murdock, R., Stefanucci, J., Creem-Regehr S., & Drew, T. (May, 2022). *Unintended consequences of trying to help: augmented target recognition cues bias perception*. Poster to be presented at the 2022 annual meeting of the Vision Sciences Society.
- +**Whitaker, M.**, Gill, D., Azbill, M.S., & Stefanucci, J.K. (November, 2021). *Perceived size of objects is affected by the vastness of a scene*. Poster presented at the 2021 annual meeting of the Psychonomics Society.
- +⁺Hansen, R., **Whitaker, M.**, & Stefanucci, J. (November, 2021). *Practice Makes Near Perfect: The Effects of Practicing Music on Perception of Time and Space*. Poster presented at the 2021 annual meeting the Psychonomics Society.
- +**Whitaker, M.**, Stefanucci, J., Creem-Regehr S., & Okifuji, A..(September, 2020). *Perception of Action Capabilities with Experimentally Induced Pain*. Poster presented at the 2020 International Association for Pain Virtual Expo.
- +**Whitaker, M.**, Rand, K., Pointon, G. (2018, November) *Expertise effects on affordance perception and action in indoor rock climbing*. Poster presented at the 2018 Annual Meeting of the Psychonomics Society, New Orleans, LA.
- Rand, K. M., Tarampi M. R., +**Whitaker, M.**, Pointon, G. (2017, November). *The effect of expertise on motor sequence and visual memory for indoor rock-climbing routes*. Poster presented at the 2017 Annual Meeting of the Psychonomics Society, Vancouver, BC.

Teaching Experience

* indicates graduate level course

UNIVERSITY OF UTAH

COURSES TAUGHT

Summer
2021 **Sensation and Perception**, Graduate Instructor

TEACHING ASSISTANT-SHIPS

Spring
2022 ***Multi-Level Modeling**, Graduate Teaching Assistant

Fall 2021 **Statistical Methods**, Graduate Teaching Assistant

Spring
2021 ***Quantitative Methods II: Generalized Linear Modeling**, Graduate Teaching Assistant

Fall 2020 ***Quantitative Methods I: Correlation and Regression Basics**, Graduate Teaching Assistant

Spring
2019 **Psychology as a Science and a Profession**, Undergraduate Teaching Assistant

Fall 2018 **Sensation and Perception**, Undergraduate Teaching Assistant

Spring
2018 **Memory and Cognition**, Undergraduate Teaching Assistant

Fall 2017 **Brain and Behavior**, Undergraduate Teaching Assistant

GUEST LECTURES

April 2020 **Sensation and Perception**, *Pain Research*

November
2019 ***Virtual Reality for Computer Science**, *Pain and Perception in Virtual Reality*

Sept. 2019 ***Research Methods in Kinesiology**, *Research Writing in the Health Sciences*

November
2018 **Sensation and Perception**, *Touch and Pain*

Sept. 2018 **Sensation and Perception**, *Visual Receptive Fields*

Sept. 2018 **Sensation and Perception**, *Neural Integration in Vision*

March
2018 **Memory and Cognition**, *Suggestion and False Memory*

January
2018 **Memory and Cognition**, *Memory Errors—Absent-mindedness*

November
2017 **Brain and Behavior**, *Pain Perception*

CONDUCTED WORKSHOPS

February
2020 **Undergraduate Research Opportunities Program**, *Editing a Research Proposal*

October
2019 **Undergraduate Research Opportunities Program**, *Writing a Research Proposal*

Mentoring

UNIVERSITY OF UTAH

2020-2022 **Jim Faulkner**, Undergraduate Research Opportunities Program/ Quantitative Methods Certificate
2020-2021 **Rachael Hansen**, Undergraduate Research Opportunities Program
2019-2020 **Lucas Epperson**, Human Factors Certificate

Service

AD HOC REVIEWER

* *co-reviewed with advisor*

Quarterly Journal of Experimental Psychology
Attention, Perception, and Psychophysics
Visual Cognition
Human Movement Science
Psychology of Sport and Exercise Science
IEEE VR
Plos One
Journal of Pain*
Journal of Behavioral Medicine*

OUTREACH & ADVANCEMENT OF DIVERSITY IN SCIENCE

Co-organizer, FemmeSTEM: a quantitative reading group focused on the advancement of marginalized genders and identities in quantitative methods 2020-present
• *Introduction to Bayesian Statistics* (October 2020)

President & Co-organizer, Diversity Graduate Application Advisory: a graduate-student run organization that matches undergraduate students interested in pursuing graduate school with graduate student mentors 2019-present
• *Topics in Mentoring and Mentee-ing for Graduate/Undergraduate Student and Post-Doctoral Scholars*, University of Utah Research Education (November 2021)
• *Applying to Graduate School*, University of Utah Asia Campus (April 2021)
• *Panelist Graduate School Information Session*, University of Utah College of Social and Behavioral Sciences Solutions Scholars (November 2020)

Member, University of Utah Psychology Department Diversity Committee 2019-present
• University of Utah: 2021 Beacons of Excellence Award
• University of Utah College of Social and Behavioral Science: 2021 Advancing Equity and Connecting Communities Award

Member, University of Utah Psychology Department Outreach Committee 2019-present
• *Psychology as a Science*, Bright Futures: Park City High School (November 2019)

Judge, Annual Utah Charter School Science and Engineering Fair February 2021

Professional Memberships

The Society for Affective Science
Vision Sciences Society
International Association for the Study of Pain
Psychonomics Society

Relevant Expertise

SKILLS

Proficient in R, STAN, PsychoPy, Excel, & Copy Editing

Experience with Python, JavaScript, Unity, Julia, SQL, Matlab, BUGS, JAGS, Adobe Suite Programs, SAS, SPSS, Graph Pad Prism, Qualtrics, & MPlus

PROFESSIONAL DEVELOPMENT

May 2021 *Introduction to Structural Equation Modeling*, Center Stat

Sept. 2021 *Applied Bayesian Data Analysis*, Statistical Horizons